



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

KEVIN G. OWENS et al.

Application No. 09/809,090

Filed: March 16, 2001

For: BIPOLAR TIME-OF FLIGHT
DETECTOR, CARTRIDGE AND
DETECTION METHOD

Docket No. 0404-00701US

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Allowed: January 22, 2004

Confirmation No. 5535

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

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March 17, 2004

Date of Certificate

Frances L. McMenamin
Frances L. McMenamin

AMENDMENT UNDER 37 C.F.R. §1.312

Please amend the above-identified application as follows:

In the Claims:

- 1.(Previously Amended) Detector for a time-of-flight mass spectrometer comprising:
an electron multiplier, for converting a charged particle into a multiplicity of electrons;
a scintillator, for converting the multiplicity of electrons into a multiplicity of photons; and
a charge collector disposed for receiving the multiplicity of photons and adapted for reconverting said photons into a second multiplicity of electrons and integrating said